Title (en)

Dry two-component type developer for electrophotography

Title (de)

Trockenzweikomponentenentwickler für die Elektrophotographie

Title (fr)

Révélateur sec du type à deux composants pour électrophotographique

Publication

EP 1394621 A3 20051102 (EN)

Application

EP 03255462 A 20030902

Priority

JP 2002256783 A 20020902

Abstract (en)

[origin: EP1394621A2] The present invention provides a dry two-component type developer for electrophotography comprising a carrier particle and a toner particle, wherein a toner water adsorption ratio (T) obtained by a following equation (1) for the toner particle ranges from 1.0 to 7.0 and a carrier water adsorption ratio (C) obtained by a following equation (2) is 20. 0 or less, and a water adsorption ratio (T/C) expressed in a following equation (3) representing a relationship between the toner water adsorption ratio (T) and the carrier water adsorption ratio (C) is 5.0 or less; <DF NUM="(1),">a toner water adsorption ratio (T) =Äa water adsorption amount (TH)of the toner particle /an N2 adsorption amount (TN)of the toner particleÜ </DF> <DF NUM="(2),">a carrier water adsorption ratio (C) =Äa water adsorption amount (CH)of the carrier particle /an N2 adsorption amount(CN) of the carrier particleÜ </DF> and <DF NUM="(3).">a water adsorption ratio (T/C) =Äa toner water adsorption ratio (T) /a carrier water adsorptionratio (C)Ü </DF> <??>In the dry two-component type developer for electrophotography according to the present invention, even if use conditions are changed, a developing characteristic is less varied.

IPC 1-7

G03G 9/08; G03G 9/10; G03G 9/107; G03G 9/113

IPC 8 full level

G03G 9/08 (2006.01); **G03G 9/10** (2006.01); **G03G 9/107** (2006.01); **G03G 9/113** (2006.01)

CPC (source: EP US)

G03G 9/00 (2013.01 - US); **G03G 9/0821** (2013.01 - EP US); **G03G 9/1085** (2020.08 - EP US)

Citation (search report)

- [A] EP 1065571 A2 20010103 - CANON KK [JP]
- [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 674 (P - 1846) 19 December 1994 (1994-12-19)
- [DA] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06 28 June 1996 (1996-06-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 02 26 February 1999 (1999-02-26)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

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